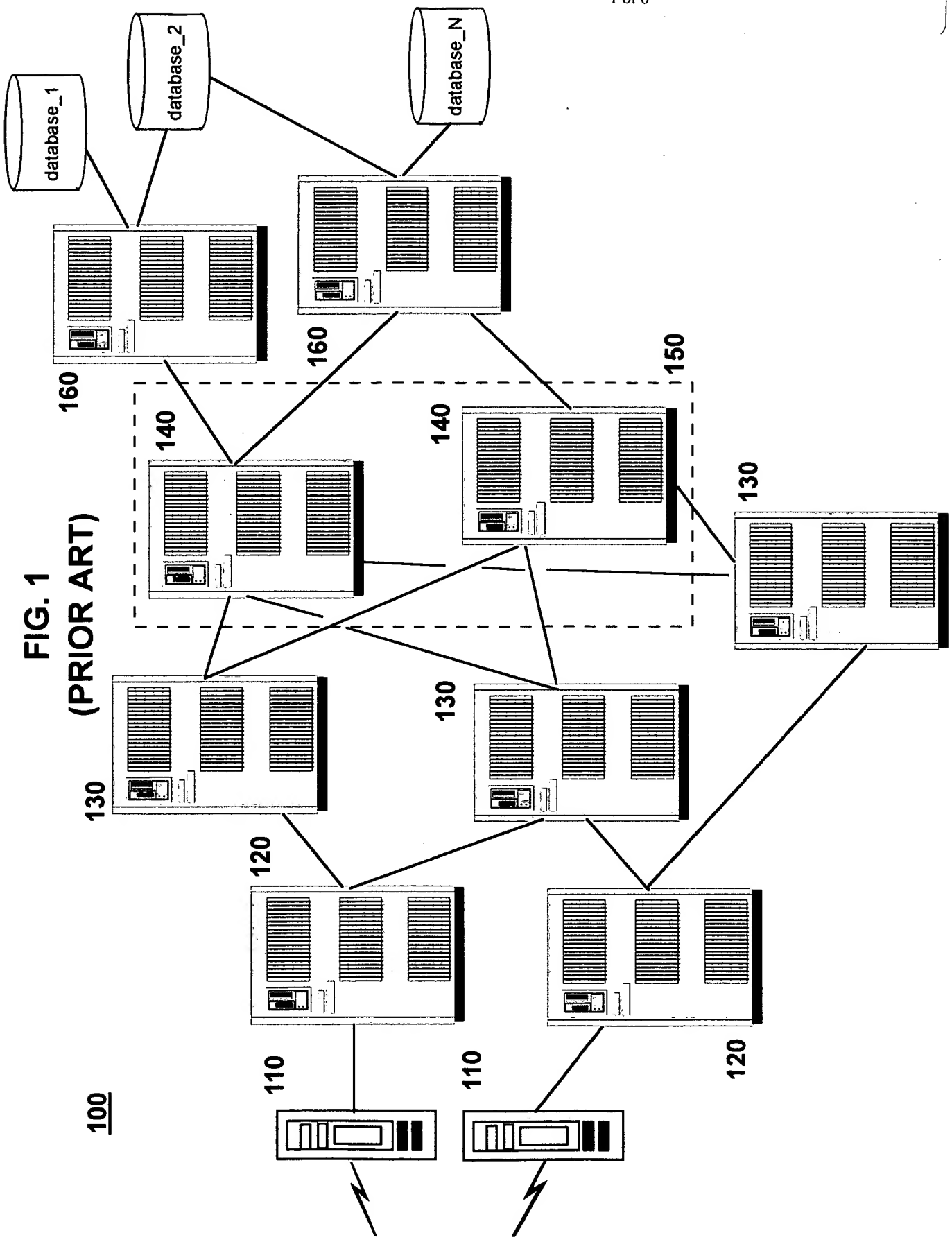


FIG. 1
(PRIOR ART)

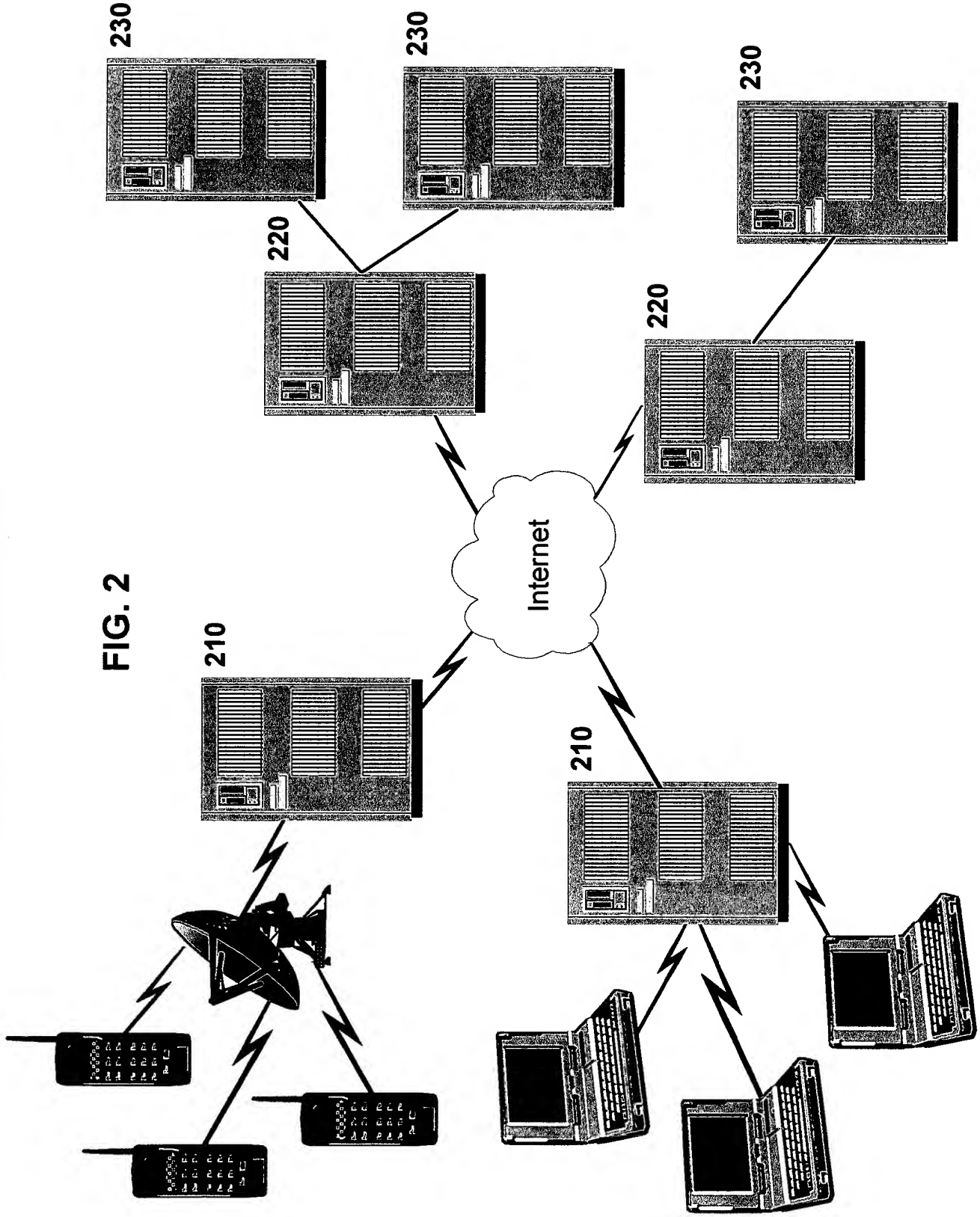


FIG. 2

TOEOHO" 26052860

FIG. 3A (PRIOR ART)

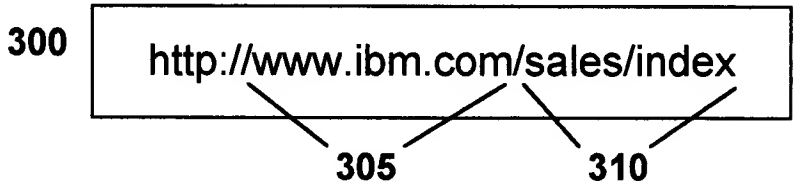


FIG. 3B (PRIOR ART)

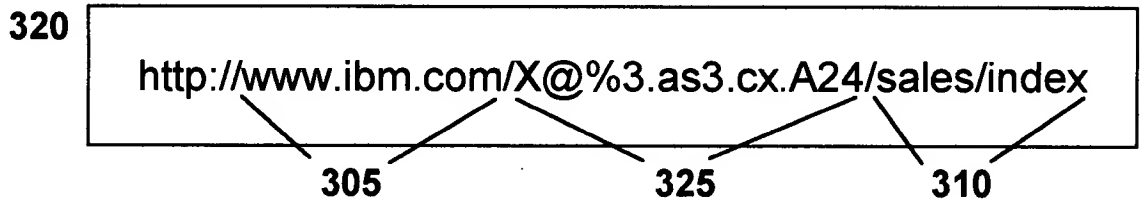
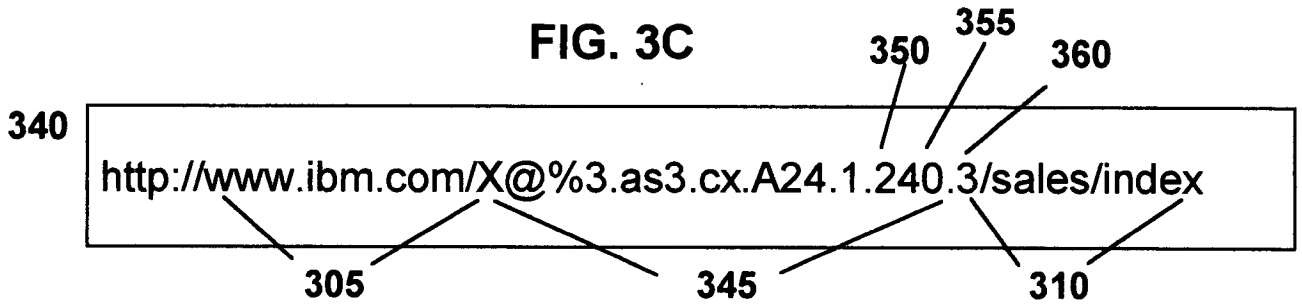


FIG. 3C



TOEOHO" 76052860

FIG. 4

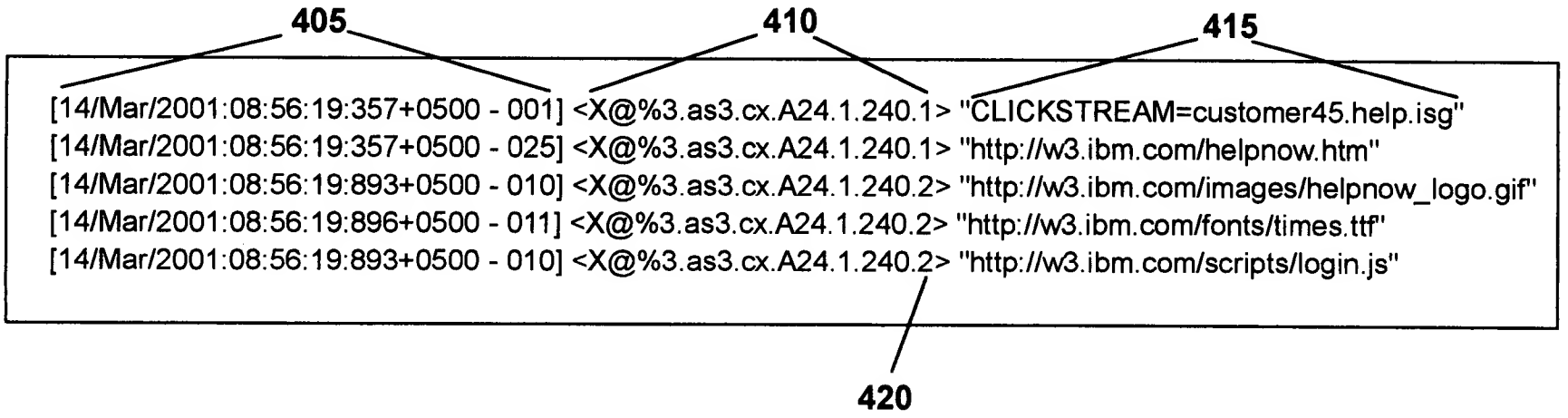


FIG.5

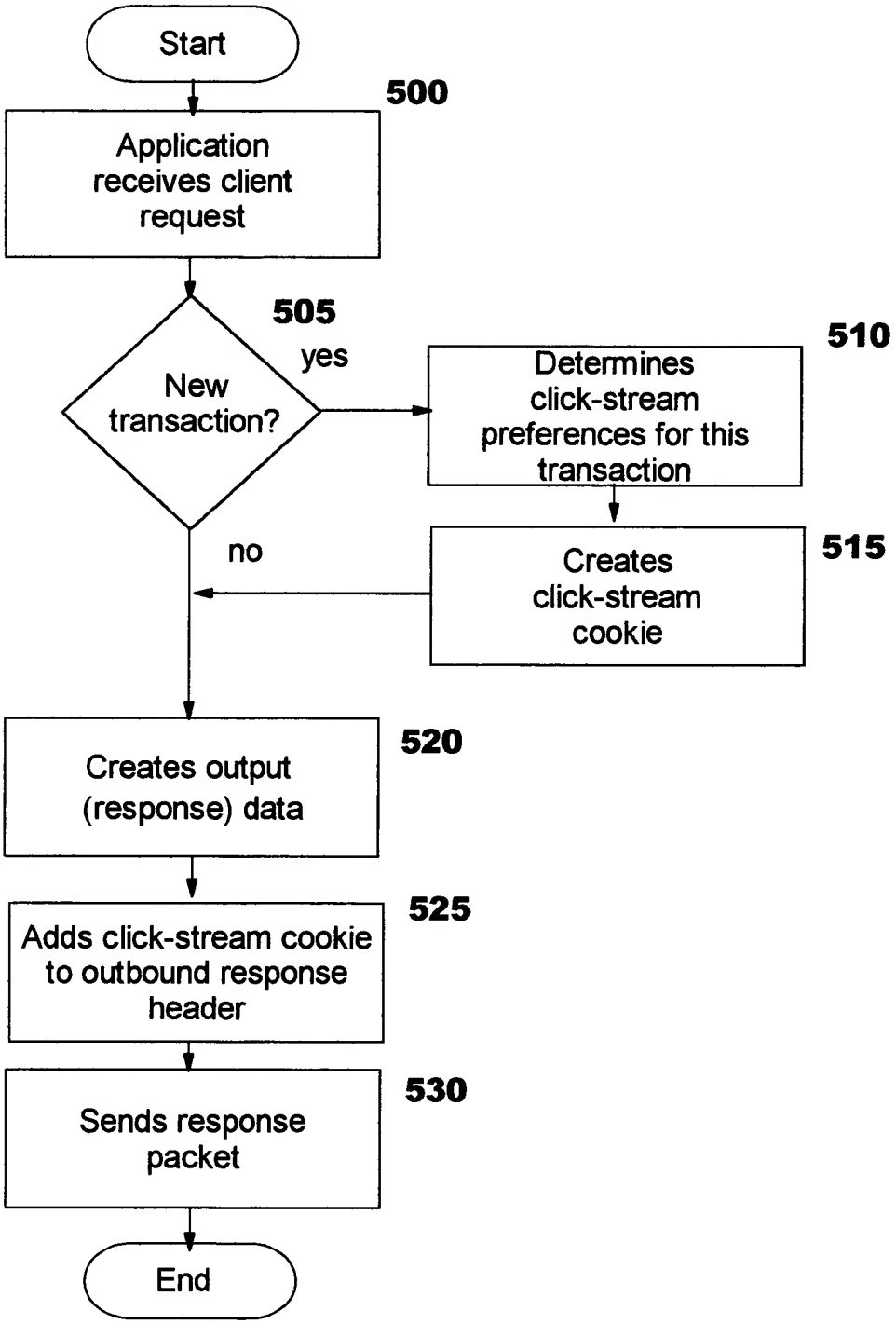
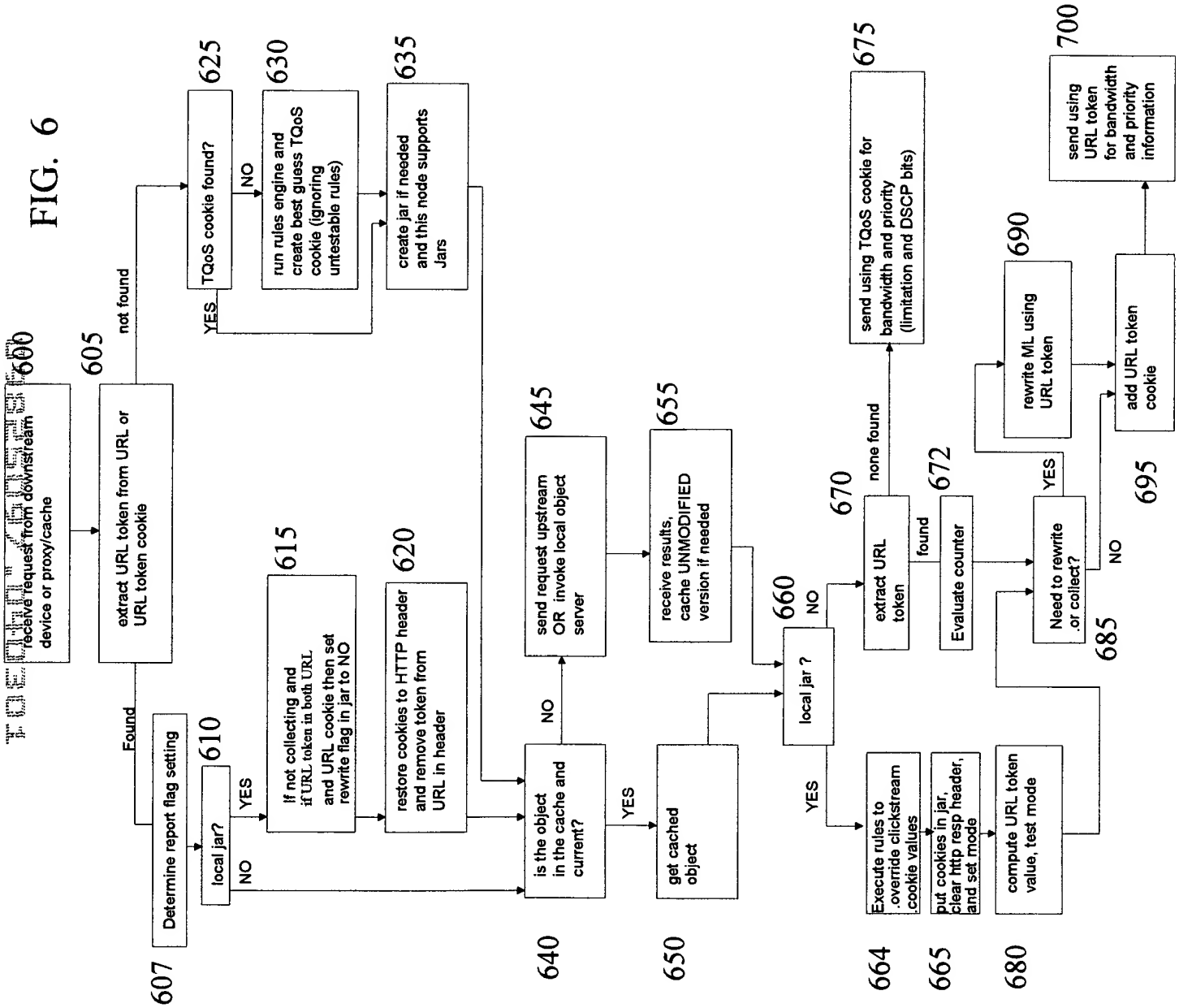

Start
500
Application receives client request
505
New transaction?
yes
510
Determines click-stream preferences for this transaction
no
515
Creates click-stream cookie
520
Creates output (response) data
525
Adds click-stream cookie to outbound response header
530
Sends response packet
End

FIG. 6


receive request from downstream device or proxy/cache
600
extract URL token from URL or URL token cookie
605
Found
not found
Determine report flag setting
607
local jar?
610
YES
NO
If not collecting and if URL token in both URL and URL cookie then set rewrite flag in jar to NO
615
restore cookies to HTTP header and remove token from URL in header
620
TQoS cookie found?
625
YES
NO
run rules engine and create best guess TQoS cookie (ignoring untestable rules)
630
create jar if needed and this node supports Jars
635
is the object in the cache and current?
640
YES
NO
send request upstream OR invoke local object server
645
get cached object
650
receive results, cache UNMODIFIED version if needed
655
local jar ?
660
YES
NO
Execute rules to override clickstream cookie values
664
put cookies in jar, clear http resp header, and set mode
665
compute URL token value, test mode
680
extract URL token
670
found
none found
Evaluate counter
672
Need to rewrite or collect?
685
YES
NO
send using TQoS cookie for bandwidth and priority (limitation and DSCP bits)
675
rewrite ML using URL token
690
add URL token cookie
695
send using URL token for bandwidth and priority information
700